

## **REMARKS**

Applicants respectfully request reconsideration of the present application in view of the foregoing amendments and in view of the reasons that follow.

### **Summary of the Interview**

Applicants express appreciation to the Examiner (Mr. Mohammad M. Ali) for the courtesy of the telephone interview held on June 10, 2008, with applicants' representative, Kumar Maheshwari (Reg. No. 60443). In the interview, applicants' representative requested that the Examiner provide the translation of the Hirose et al. (JP 2001-202837 A) that was used by the Examiner. Applicant express appreciation to the Examiner for providing the translation to the applicants' representative.

### **Status of the Claims**

Claims 1, 4, 5 and 10 are amended. Claim 9 is cancelled without prejudice or disclaimer. No new matter is added.

### **Claim Rejections under 35 U.S.C. §102 and 35 U.S.C. §103**

Claims 1-2, 6-7 and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Hirose et al., (JP 2001-202837 A). This rejection is respectfully traversed.

Claim 1 recites, among other features, providing each circuit with a refrigerator that cools the refrigerant for said circuit, and using the refrigerator of a failed circuit to provide refrigerant to a good circuit. Hirose et al. fail to teach, suggest or render predictable at least the above recited features.

Instead, the translation of Hirose et al. as provided by the Examiner discloses providing a freezer or a thermal-conversion machine in the longitudinal direction of the cable for every constant internal. (Hirose et al. ¶ 3) In particular, to reduce the temperature Hirose et al. discloses filling the inside of the cable core with a lower temperature refrigerant than the outside of the cable core. Therefore, Hirose et al. fails to disclose at least providing each

circuit with a refrigerator and using the refrigerator of a failed circuit to provide refrigerant to the good circuit.

Therefore claim 1 is believed to be allowable. Because claims 2, 6-7 and 8 depend directly or indirectly from claim 1, they are believed to be allowable for at least the same reasons claim 1 is believed to be allowable.

Claims 4-5, 9 and 10 are rejected under 35 U.S.C. §103(a) as being unpatentable over Hirose et al., in view of Graneu et al., (U.S. Patent No. 3,646,243). This rejection is respectfully traversed.

The Office Action of March 24, 2008 cites Graneu et al. as curing the above cited deficiencies of Hirsrose et al. (Pages 3 and 4) However, Graneu et al. or Hirose et al., alone or in combination, fail to teach suggest or render predictable providing each circuit with a refrigerator that cools the refrigerant for said circuit, and using the refrigerator of a failed circuit to provide refrigerant to the good circuit.

Instead Graneu et al. discloses the use of a plurality of superconductor circuits (10 and 11) and the uses one refrigerating plant 17. In case of failure the system in Graneu et al. is designed to allow the refrigerant to follow to one circuit. (Col. 2; ll. 65 – 75) However, fails to teach or suggest providing each circuit with a refrigerator and using the refrigerator of a failed circuit to provide refrigerant to the good circuit.

Therefore claim 1 is believed to be allowable for at least the reasons stated above. Because claims 4, 5 and 9 depend from claim 1 and they are believed to be allowable for at least the same reasons claims 1 is believed to be allowable.

Claim 10 recites, among other features, each of said cooling mechanisms being operatively coupled to each of said plurality of superconducting cables; and allow a cooling mechanism of a failed superconducting cable to supply refrigerant to a remaining good superconducting cables. As discussed above with regard to claim 1, both Graneu et al. or Hirose et al. fail to teach or suggest cooling mechanisms attached to each of said plurality of superconducting cable and thus do not teach or suggest allowing the cooling mechanism of

the failed superconducting cable to supply refrigerant to a remaining good superconducting cable. Therefore claim 10 is believed to be allowable.

**Concluding Remarks**

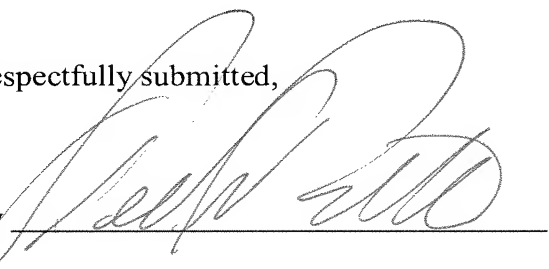
After amending the claims as set forth above, claims 1-8 and 10 are pending in this application.

Applicants believe that the present application is in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested. The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by the credit card payment instructions in EFS-Web being incorrect or absent, resulting in a rejected or incorrect credit card transaction, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicants hereby petition for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.

Respectfully submitted,

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